

Product Specification

ICE-CAT 5e/350 MHz

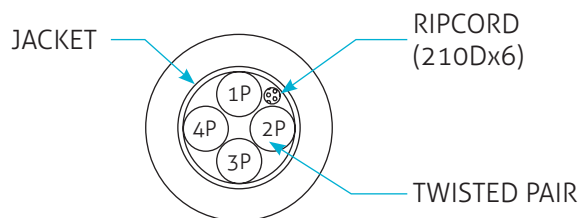


Packaging



Box 500 Ft.

Cross Section



Description

ICE-CAT 5e/350 MHz 24AWG.

Description

Rated Voltage (V)	300
Rated Temperature (°C)	75
Product Standard Certification	cUL, ETL
Flame test	CMR FT4

Application

Network / Ethernet signals for audio, video and data.

Reference Standard:

UL 444 & the customer's specification

Performance

Electrical Characteristics (20°C)

Voltage	300 Volts RMS
Temperature	-20°C to 75°C
Min. Insulation Resistance	SR-PVC: 50M
Dielectric Strength	AC-500V/1 Minute

Mechanical Characteristics

Test Object	Jacket
Test Material	PVC
Before Aging Tensile Strength	≥1.05 (kg/mmP2)

Construction

Conductor	Solid Bare Copper
Component	8C
AWG	24
Construction (mm)	1/0.511
Stranded Dia. (mm)	0.511 +/- .005
Insulation	HDPE
Nom. Thickness (mm)	0.19
Insulation Dia. (±0.05mm)	0.885 +/- .05

Ripcord	210 Dx6 Nylon Thread
Jacket	PVC (RoHS)
Nom. Thickness (mm)	0.50 +/- .05
Outer Dia. (±0.10mm)	5.1 +/- .10

Insulation/Conductor Colors

Component	P1. Blue & White/Blue
	P2. Orange & White/Orange
	P3. Green & White/Green
	P4. Brown & White/Brown

Jacket Colors: Brightness Blue - Pantone 3005 U

Marking

Jacket Marking (black)

ICE CABLE SYSTEMS CATEGORY 5E 350MHZ VERIFIED TO TIA/EIA-568-B.2 E312434-22 UL OR c(UL) CMR 75C 24AWG
 4PR UTP APP: DATA PHONE ROOM: ENT KIT NK FAM LR
 DR POWD OFF POO PAT MBR MBA BR1 BR2 BR3 BR4 BR5
 GAR GYM OTHER WALL: N S E W JACK: 1 2 3 4 5 6
 USE: KPAD TPAD LAN TEL "ROHS" XXXX/XXXX FT



CL3 FT4

Sequential footmarks applied every four feet in conjunction with the print legend. "XXX/XXX" Stands for Length. eg: 000/1000; 004/0996; 008/0992.

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Performance

Electrical Characteristics

- a. Conductor resistance: Max. 9.38 ohms/100m at 20°C;
- b. D-C Resistance Unbalance: Max. 5%;
- c. Pair-to-Ground Capacitance Unbalance: Max. 330 pF/100m;
- d. Characteristic Impedance (1-100MHz): 100 +/- 15 ohms;
- e. Propagation Delay Skew (1-100MHz): Max. 45ns/100m;
- f. Mutual capacitance: 46-56 pF/M
Test report: Pair1=49.9pF/M. Pair2=49.6pF/M. Pair3=51.6pF/M. Pair4=49.1pF/M

Frequency (MHz)	Attenuation (dB/100m)	NEXT (dB/100m)	ACR (dB)	PSNEXT (dB)	ELFEXT (dB)	PSELFEXT (dB/100m)	RL (dB)	DELAY (ns/100m)
0.772	1.8	67.0	65.2	64.0	66.0	63.0	19.4	575.0
1	2.0	65.3	63.3	62.3	63.8	60.8	20.0	570.0
4	4.1	56.3	52.2	53.3	51.7	48.7	23.0	552.0
8	5.8	51.8	46.0	48.8	45.7	42.7	24.5	546.7
10	6.5	50.3	43.8	47.3	43.8	40.8	25.0	545.0
16	8.2	47.3	39.1	44.4	39.7	36.7	25.0	543.0
20	9.3	45.8	36.5	42.8	37.7	34.7	25.0	542.0
25	10.4	44.3	33.9	41.3	35.8	32.8	24.3	541.2
31.25	11.7	42.9	31.2	39.9	33.9	30.9	23.6	540.4
62.50	17.0	36.4	19.4	35.4	27.8	24.6	21.5	538.6
100	22.0	35.3	13.3	32.3	23.8	20.8	20.1	538.0
200	32.4	30.8	-	27.8	17.8	14.8	18.0	536.6
300	41.0	28.2	-	25.2	14.3	11.3	16.8	536.1
350	44.9	27.2	-	24.2	12.9	9.9	16.3	535.9